



VIRTUAL
CABLE

Importing UDS on OpenNebula



UDS
ENTERPRISE

3.6



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IMPORTING UDS ON OPENNEBULA

UDS Enterprise components are provided as Virtual Appliances. To upload these elements to the OpenNebula platform, carry out the following tasks:

Download UDS Appliances


Access your account at: <https://www.udsenderprise.com/en/accounts/login?next=/en/my-uds/>

Once inside, in the "My Downloads" section, select "UDS Enterprise Appliances compatible with OpenNebula" (.RAW format):

Component	Format	Version
UDS Enterprise Appliances compatible with VMware vSphere / Cloud Director	OVA	3.0
UDS Enterprise Appliances compatible with Citrix Hypervisor / XCP-ng	OVA	3.0
UDS Enterprise Appliances compatible with Nutanix AHV	RAW / QCOW2	3.0
UDS Enterprise Appliances compatible with Microsoft Azure	VHD	3.0
UDS Enterprise Appliances compatible with Microsoft Hyper-V	VHDX	3.0
UDS Enterprise Appliances for OpenStack, OpenNebula, Proxmox...	RAW	3.0
UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox...	QCOW2	3.0

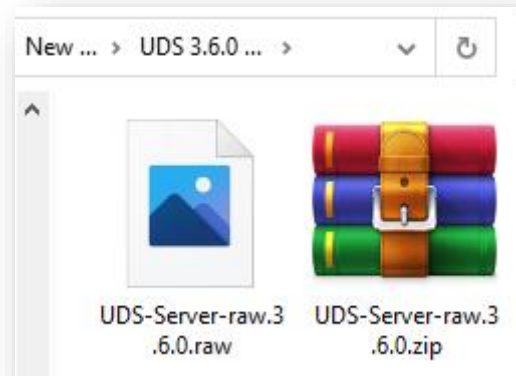
It will take you to a download repository where we you'll find the UDS Appliances:

Index of /3.6/stable/raw

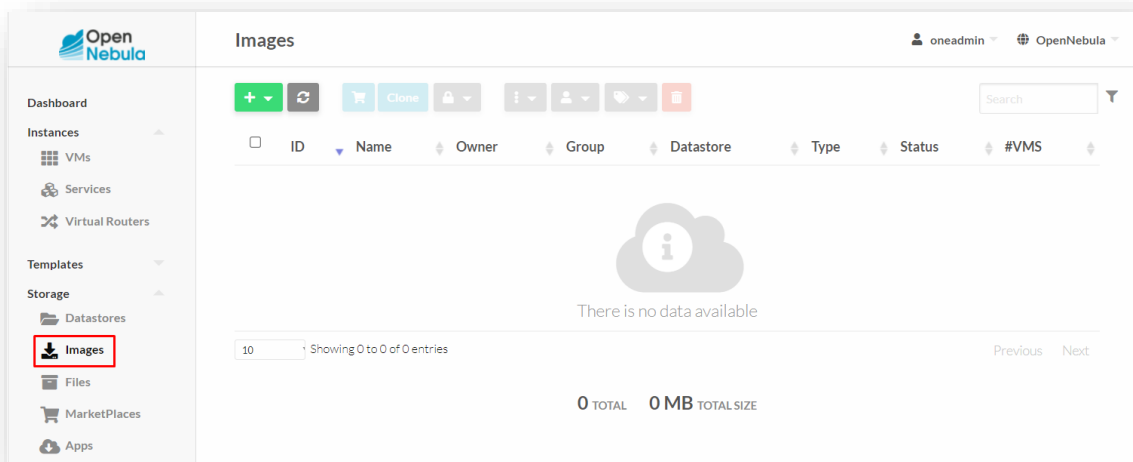
Name	Last modified	Size
 Parent Directory		-
 UDS-Dbserver-raw.3.6.0.zip	2023-11-15 10:00	538M
 UDS-Server-raw.3.6.0.zip	2023-11-15 10:00	1.3G
 UDS-Tunnel-raw.3.6.0.zip	2023-11-15 10:00	831M

Import UDS Appliances on the virtual platform

Download the UDS Appliances and unzip them. See below an example with the UDS Server Appliance (**UDS-Server-XXzip**).

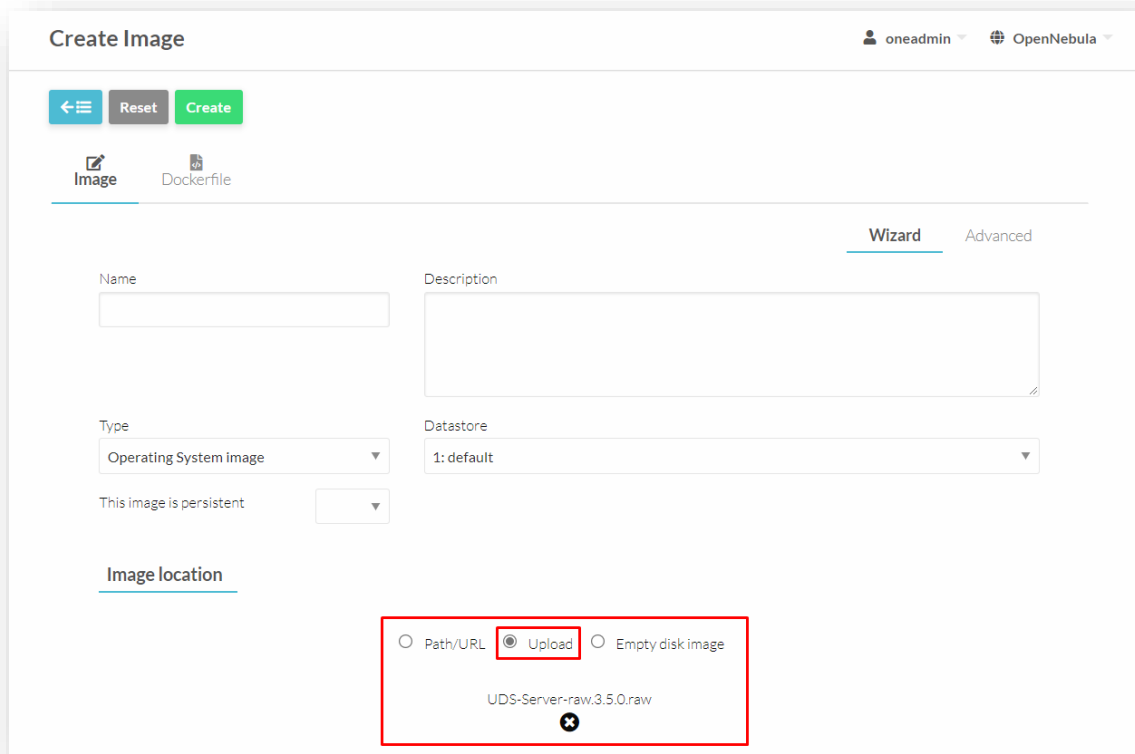


Access the OpenNebula environment and click on “images”.



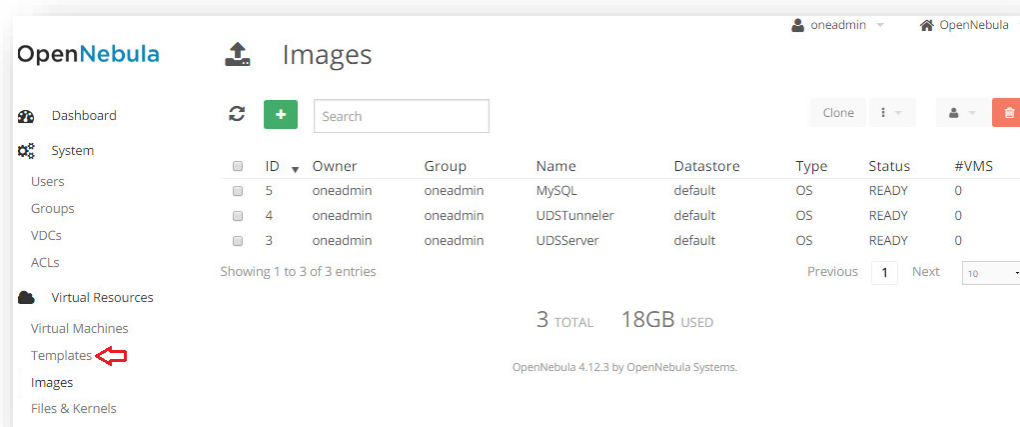
Create a new image. The wizard will ask you the name of the new Virtual Machine (VM) and the image of the UDS disk.

Select the disk image that you are going to create.

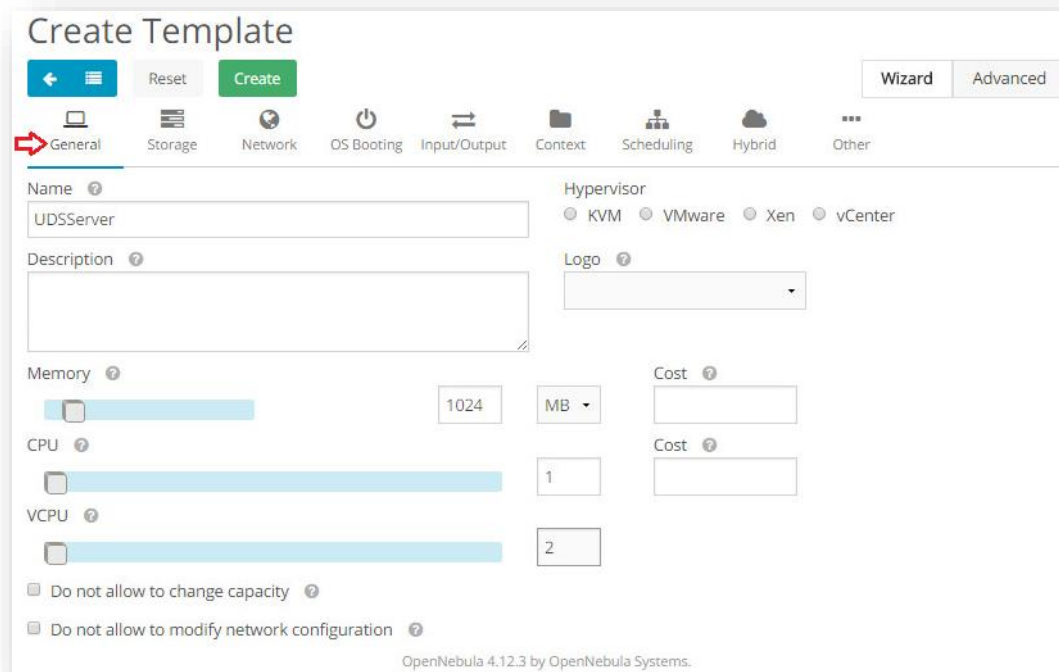


The screenshot shows the 'Create Image' wizard in OpenNebula. The interface includes a header with the user 'oneadmin' and the system 'OpenNebula'. Below the header are navigation buttons: a back arrow, 'Reset', and 'Create'. There are two tabs: 'Image' (selected) and 'Dockerfile'. The wizard has two steps: 'Wizard' (selected) and 'Advanced'. The 'Wizard' step contains several form fields: 'Name' (empty text input), 'Description' (empty text area), 'Type' (dropdown menu set to 'Operating System image'), 'Datastore' (dropdown menu set to '1: default'), and 'This image is persistent' (checkbox). Under the 'Image location' section, there are three radio buttons: 'Path/URL', 'Upload' (selected), and 'Empty disk image'. Below the 'Upload' radio button, the file name 'UDS-Server-raw.3.5.0.raw' is displayed with a delete icon.

Once you have the images available, you need to create a "Template".



To create the template, you will need to configure:

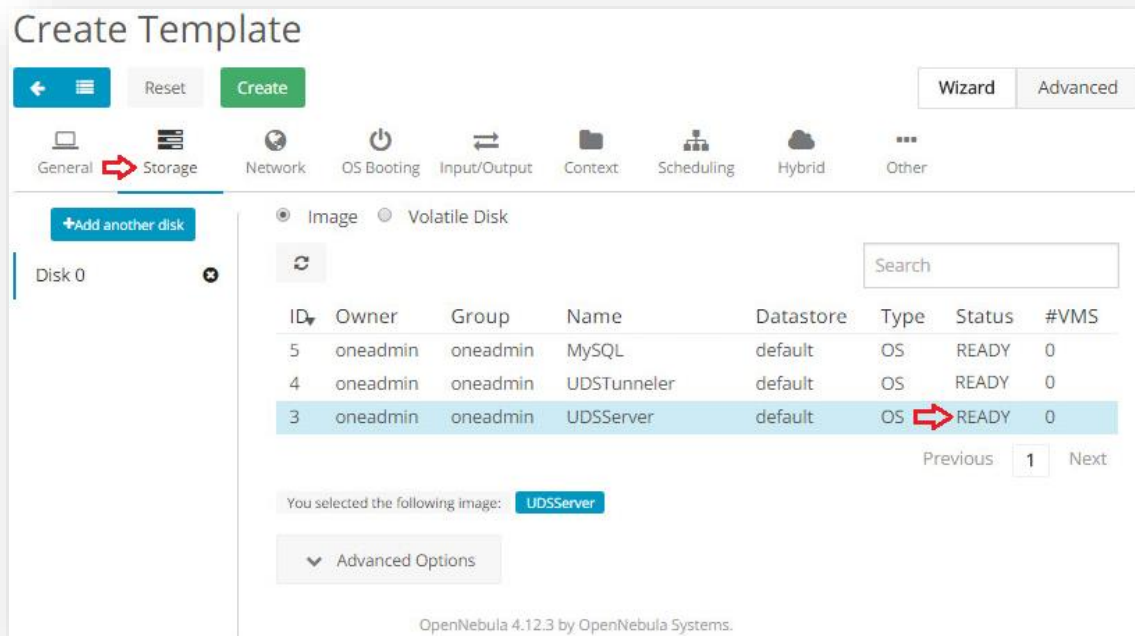


In the **General** tab you will have to indicate the name of the VM, the amount of RAM, number of CPUs and vCPUs.

For the different UDS Appliances, the configuration would be as follows:

MV	Memory (MB)	CPU	STORAGE
MySQL	1024	2	10
Server	2048	2	10
Tunnel	2048	2	15

In the **Storage** tab select the UDS disk image and check that it has the status "Ready".



Create Template

Wizard | Advanced

General | **Storage** | Network | OS Booting | Input/Output | Context | Scheduling | Hybrid | Other

+ Add another disk

Disk 0

Image | Volatile Disk

Search

ID	Owner	Group	Name	Datastore	Type	Status	#VMS
5	oneadmin	oneadmin	MySQL	default	OS	READY	0
4	oneadmin	oneadmin	UDSTunneler	default	OS	READY	0
3	oneadmin	oneadmin	UDS	default	OS	READY	0

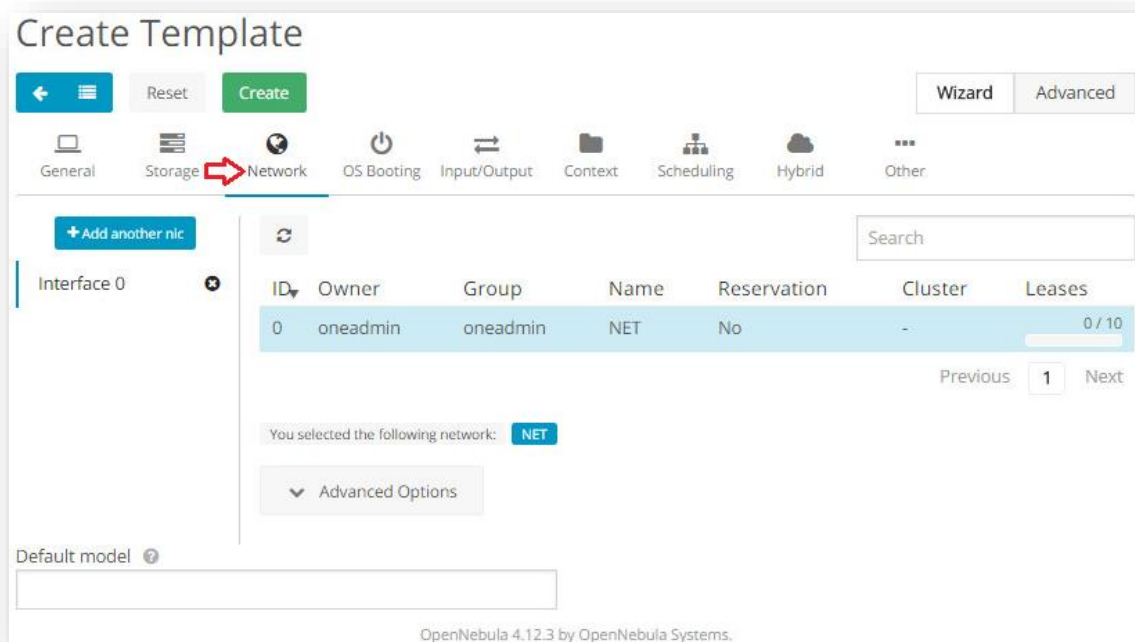
Previous | 1 | Next

You selected the following image: **UDS**

Advanced Options

OpenNebula 4.12.3 by OpenNebula Systems.

In the **Network** tab select the network interface.



Create Template

Wizard | Advanced

General | Storage | **Network** | OS Booting | Input/Output | Context | Scheduling | Hybrid | Other

+ Add another nic

Interface 0

Search

ID	Owner	Group	Name	Reservation	Cluster	Leases
0	oneadmin	oneadmin	NET	No	-	0 / 10

Previous | 1 | Next

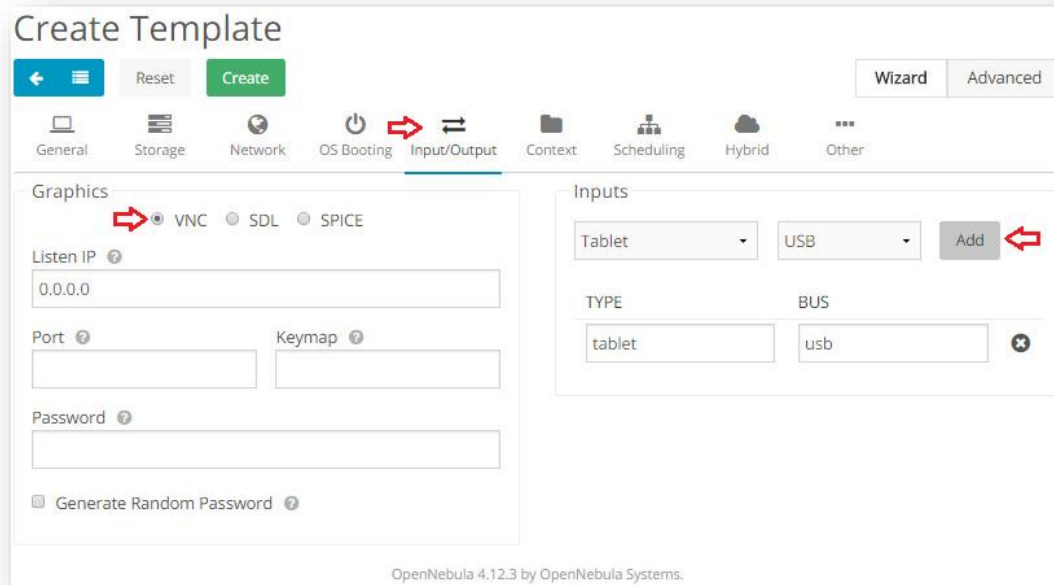
You selected the following network: **NET**

Advanced Options

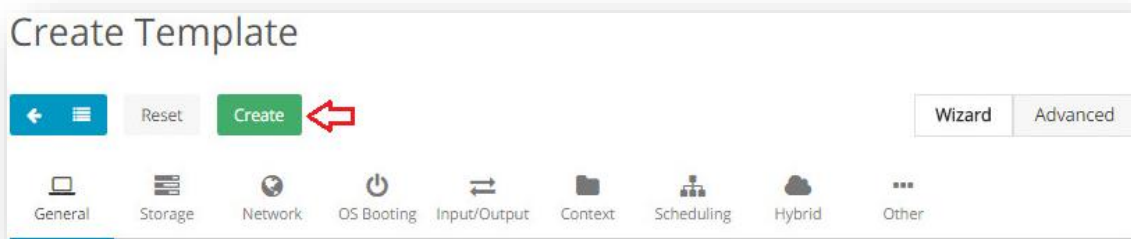
Default model ?

OpenNebula 4.12.3 by OpenNebula Systems.

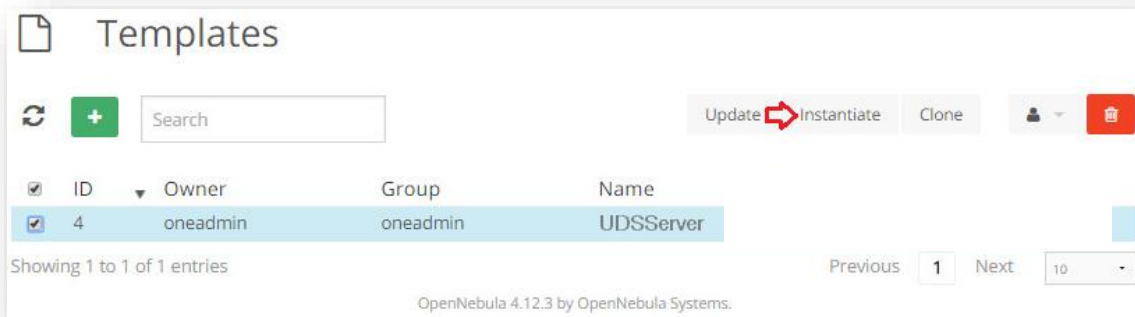
In the Input / Output tab configure the input and output devices. In this case select "VNC" output device and "Tablet" and "USB" input device.



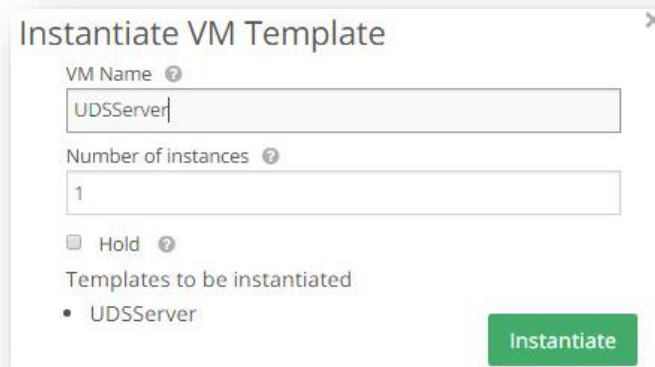
Click on "Create" and you will have a valid "Template".



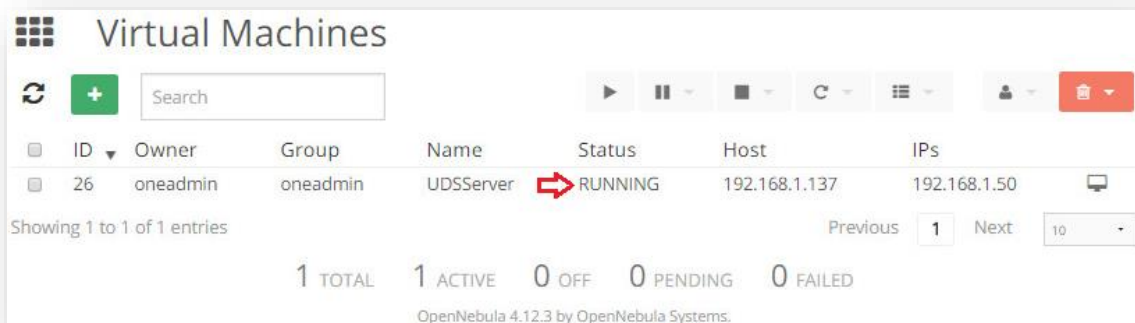
Once the template is created, click on "Instantiate".



In the wizard, indicate the name and the number of instances to create.



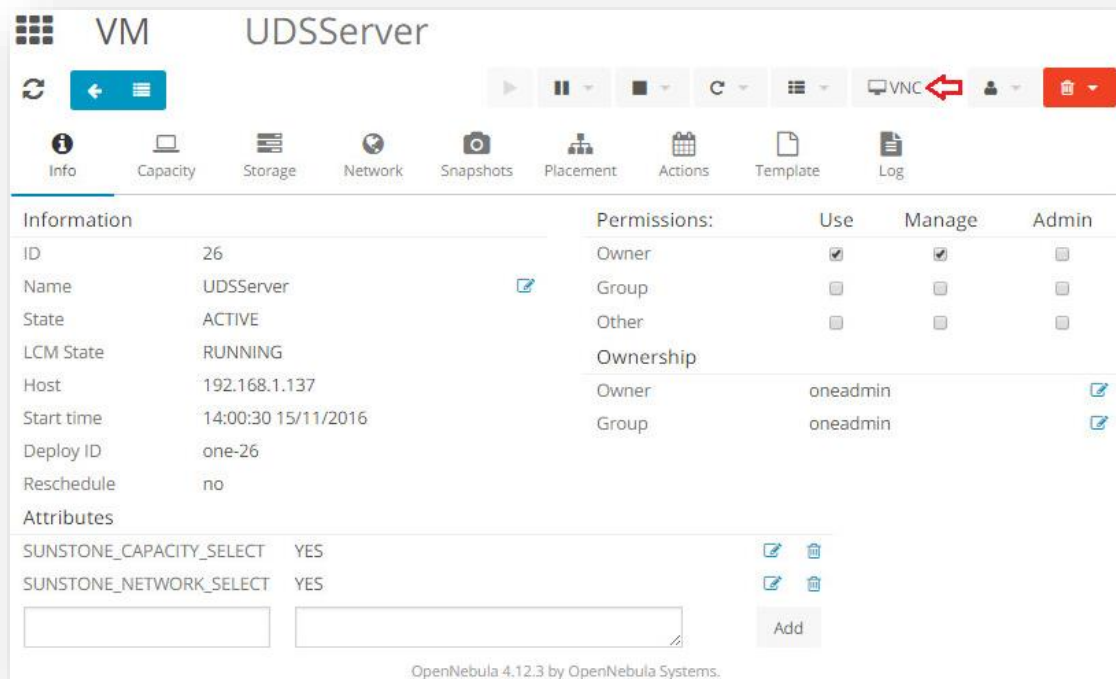
Once the instance is created, the MV will appear in the "Virtual Machines" tab. Check that "Running" appears in the status.



Start UDS servers

Once the creation of the new virtual machine and the import of the UDS Appliance disk is finished, start a console to begin with the server configuration.

Click on "VNC".



The screenshot shows the OpenNebula web interface for a virtual machine named 'UDSServer'. The interface includes a top navigation bar with icons for Info, Capacity, Storage, Network, Snapshots, Placement, Actions, Template, and Log. A toolbar at the top right contains icons for play, pause, stop, refresh, and a 'VNC' button with a red arrow pointing to it, indicating it is the target of the instruction. Below the navigation bar, there are two main sections: 'Information' and 'Permissions:'. The 'Information' section lists details such as ID (26), Name (UDSServer), State (ACTIVE), LCM State (RUNNING), Host (192.168.1.137), Start time (14:00:30 15/11/2016), Deploy ID (one-26), and Reschedule (no). The 'Permissions:' section shows a table with columns for Use, Manage, and Admin, and rows for Owner, Group, and Other. Below these sections is an 'Attributes' section with two attributes: SUNSTONE_CAPACITY_SELECT (YES) and SUNSTONE_NETWORK_SELECT (YES). At the bottom of the interface, there is an 'Add' button and the text 'OpenNebula 4.12.3 by OpenNebula Systems.'

Information		Permissions:		
		Use	Manage	Admin
ID	26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	UDSServer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State	ACTIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LCM State	RUNNING	Ownership		
Host	192.168.1.137	Owner	oneadmin	<input type="checkbox"/>
Start time	14:00:30 15/11/2016	Group	oneadmin	<input type="checkbox"/>
Deploy ID	one-26			
Reschedule	no			

Attributes

SUNSTONE_CAPACITY_SELECT	YES	<input type="checkbox"/>	<input type="checkbox"/>
SUNSTONE_NETWORK_SELECT	YES	<input type="checkbox"/>	<input type="checkbox"/>

Add

OpenNebula 4.12.3 by OpenNebula Systems.

About Virtual Cable

[Virtual Cable](#) is a company specialized in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. Its team of experts has designed **VDI** solutions tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have **more than 30 years of experience** in IT and software development and more than 15 in virtualization technologies. **Millions of Windows and Linux virtual desktops with UDS Enterprise are deployed all over the world every day.**